

In the Claims:

Claims 1-45 . (Cancelled)

Claim 46. (Currently amended) A method of applying an intrinsic co-ordinate system to a mount-and-object system to provide co-ordinated viewing of points on a mounted object imaged using different image gathering processes, the method comprising:

identifying a plurality of edge points of said mounted object in said mount and object system using automatic image processing,

interpolating straight lines between said edge points,

identifying two perpendicular straight lines from said interpolated straight lines,

identifying a meeting point between said perpendicular straight lines,

defining said meeting point as an origin for said intrinsic co-ordinate system,

identifying a marker from a sample being imaged,

using said marker as a fine-tuning reference relative to said origin, and

using said co-ordinate system to provide automatic cross-referencing between said points on said object imaged using said different image gathering processes, thereby to provide a co-ordinate reference system which is intrinsic to said mounted object.

Claim 47. (Original) A method according to claim 46, wherein the mount-and-object system has a substantially rectangular outline.

Claims 48-66. (Cancelled)